## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the above-identified application:

- 1. (Previously presented) A gas turbine engine comprising:
- a turbine scroll inside a combustor housing;
- a forward discourager;
- an aft discourager;
- a B-width, measured between the forward discourage and the aft discourager;
- a forward bayonet situation on the forward side of the turbine scroll;
- a radial nozzle contacting the forward bayonet on the forward side of the turbine scroll at a bayonet engagement point;
  - an aft scroll ring;
- a retaining ring securing the turbine scroll while maintaining an axial loading point on the aft scroll ring;
  - a forward scroll ring; and

the retaining ring restraining displacement of the forward scroll ring and the aft scroll ring;

wherein the forward discourager comprises a bending angle of about 90 degrees.

- 2. (canceled)
- 3. (original) The gas turbine engine of claim 1, wherein the aft discourage comprises a bending angel within the range of from about 60 degrees to about 120 degrees.
  - 4. (canceled)

- 5. (original) The gas turbine engine of claim 3, wherein the aft discourager comprises a bending angle of about 90 degrees.
- 6. (original) The gas turbine engine of claim 1, wherein the turbine scroll further comprises four pairs of sealing surfaces.
- 7. (original) The gas turbine engine of claim1, further comprising a radial seal at the forward side of the radial nozzle and a radial seal at the aft side of the radial nozzle for sealing the radial nozzle against leaking of exhaust gas.
- 8. (original) The gas turbine engine of claim 1, wherein the turbine scroll is generally coil-shaped.
  - 9. (original) The gas turbine engine comprising:
  - a turbine scroll inside a combustor housing:
  - a forward discourager;
  - an aft discourager;
  - a B-width, measured between the forward discourager and the aft discourager;
  - a forward axial seal adjacent to the forward discourager;
  - an aft axial seal adjacent to the aft discourager;
  - the forward discourager comprising a 90-degree bending angle;
  - an aft discourager comprising a 90-degree bending angle;
- a radial nozzle engaged with a forward bayonet on the forward side of the turbine scroll;

the forward bayonet contacting the radial nozzle at a bayonet engagement point; an aft scroll ring;

a retaining ring adjacent the aft scroll ring;

the retaining ring securing the turbine scroll while maintaining an axial loading point on the aft scroll ring; and

a forward scroll ring;

the retaining ring restraining displacement of forward scroll ring and the aft scroll ring.

- 10. (original) The gas turbine engine of claim 9, wherein the turbine scroll further comprises four pairs of sealing surfaces.
- 11. (original) The gas turbine engine of claim 9, further comprising a radial seal at the forward side of the radial nozzle and a radial seal at the aft side of the radial nozzle for sealing the radial nozzle against leaking of exhaust gas.
  - 12. (currently amended) A gas turbine engine comprising:
  - a turbine scroll inside a combustor housing;
  - the turbine scroll comprising four pairs of sealing surfaces;
- a B-width, measured between a forward discourager and an aft discourager, wherein said B-width is kept constant by action of said four pairs of sealing surfaces;

the forward discourager and the aft discourager comprising a 90-degree bending angle for flow restriction;

a forward bayonet adjacent the forward side of the turbine scroll;

the forward bayonet contacting a radial nozzle at a bayonet engagement point;

a retaining ring adjacent an aft scroll ring;

the retaining ring securing the turbine scroll while maintaining an axial loading point on the aft scroll ring; and

a forward scroll ring;

the retaining ring restraining displacement of the forward scroll ring and the aft scroll ring;

13. (original) The gas turbine engine of claim 12, wherein the turbine scroll is generally coil-shaped.

- 14. (original) A gas turbine engine comprising:
- a compressor section;
- a combustor section;
- a compressor scroll;
- a turbine scroll inside a combustor housing;
- a forward discourager;
- an aft discourager;
- a B-width, measured between the forward discourager and the aft discourager;
- a forward axial seal adjacent to the forward discourager,
- an aft axial seal adjacent to the aft discourager;

the forward discourager and the aft discourager comprising a 90-degree bending angle for flow restriction;

a radial nozzle engaged with a forward bayonet on the forward side of the turbine scroll in six locations;

the forward bayonet contacting the radial nozzle at a bayonet engagement point;

- a radial seal on the forward side of the B-width;
- a radial seal on the aft side of the B-width;
- a retaining ring adjacent an aft scroll ring;

the retaining ring securing the turbine scroll while maintaining an axial loading point on the aft scroll ring; and

a forward scroll ring;

the retaining ring restraining displacement of forward scroll ring and the aft scroll ring.

15. (original) The gas turbine engine of claim 14, wherein the turbine scroll is generally coil-shaped.

16. (previously presented) The gas turbine engine of claim 14, wherein the turbine scroll comprises four pairs of sealing surfaces.

17-22. (canceled)